

7-19-05

PCT
JC06 Rec'd I PTO 12 JUL 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

ECKHARD HANELT ET AL.

Group Art Unit: Unknown

Serial No.: 10/533,865

Examiner: Unknown

Filed: May 5, 2005

For: POLYMERIZABLE MIXTURES

Attorney Docket No.: WAS 0695 PUSA

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97(b)**

Mail Stop Amendment
Commissioner for Patents
U.S. Patent & Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and §§ 1.97-1.98, the references listed and identified on the attached Forms PTO/SB08A and/or SB08B are being submitted herewith for consideration by the Examiner. This Statement is being filed in accordance with 37 C.F.R. § 1.97(b).

While this Statement is being filed in compliance with the duty of disclosure, citation of the listed references is not to be construed as an admission that any of the references are "material" as defined under 37 C.F.R. § 1.56(b).

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8

I hereby certify that this paper, including all enclosures referred to herein, is being deposited with the United States Postal Service as first-class mail, postage pre-paid, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, U.S. Patent & Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 on:

July 8, 2005

Date of Deposit

William G. Conger
Name of Person Signing

Signature

Accompanying the Information Disclosure Statement is the statement of Dr. Helmut Fritz describing the content of the references cited in the Information Disclosure Statement.

No copies of the listed U.S. patent references or the listed U.S. patent application publication references have been included herewith pursuant to 37 C.F.R. § 1.98(a)(2). Consideration and entry into the record of the listed references is respectfully requested.

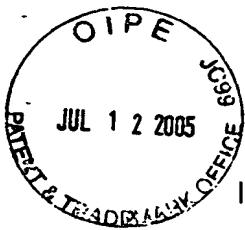
Respectfully submitted,

ECKHARD HANELT ET AL.

By: 
William G. Conger
Reg. No. 31,209
Attorney/Agent for Applicant

Date: July 8, 2005

BROOKS KUSHMAN P.C.
1000 Town Center, 22nd Floor
Southfield, MI 48075-1238
Phone: 248-358-4400
Fax: 248-358-3351



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of
HANELT ET AL.
Serial Number
Filed:
For:
POLYMERIZABLE MIXTURES

Group Art Unit:

Information Disclosure Statement

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir or Madam:

I, Helmut Fritz, associated with the preparation and prosecution of the above-identified application, residing at Kreuzstraße 11, 83624 Otterfing, Germany, wish to call the attention of the Patent Examiner to the references enumerated on the enclosed PTO Form-1449.

I believe the documents enumerated on the enclosed Form PTO-1449 and attached thereto, are cited in the enclosed International Search Report and may be material to the examination of the application.

Therefore, it is respectfully requested that the foregoing Information Disclosure Statement be considered by the Examiner and incorporated into the file of this application.

I wish to comment as follows concerning the prior art references enumerated on PTO Form-1449:

US 5,827,449 cited in the application, is already in English language.

US 5,235,443 cited in the application, is already in English language.

US 4,637,896 cited in the application, is already in English language.

US 4,996,330 cited in the application, is already in English language.

US 5,599,412 cited in the application, is already in English language.

US 6,181,395 B1 cited in the application, is already in English language.

WO 97/23580 cited in the International Search Report, is already in English language.

WO 98/04651 cited in the International Search Report, is already in English language.

WO 96/25470 cited in the International Search Report, is already in English language.

EP 0 358 208 A2 cited in the application, the corresponding Derwent abstract in English language is enclosed.

EP 0 885 945 A1 cited in the application, the corresponding Derwent abstract in English language is enclosed.

EP 0 631 157 A1 cited in the application, the corresponding Derwent abstract in English language is enclosed.

EP 0 060 335 A1 cited in the application, the corresponding Derwent abstract in English language is enclosed.

EP 0 875 525 A1 cited in the application, the corresponding Derwent abstract in English language is enclosed.

EP 0 601 483 A1 cited in the application, the corresponding Derwent abstract in English language is enclosed.

EP 0 685 749 A1 cited in the application, the corresponding Derwent abstract in English language is enclosed.

EP 0 626 386 A1 cited in the application, the corresponding Derwent abstract in English language is enclosed.

EP 0 664 826 B1 cited in the application, the corresponding Derwent abstract in English language is enclosed.

EP 0 739 403 B1 cited in the application, the corresponding Derwent abstract in English language is enclosed.

EP 0 749 466 cited in the application, is replaced by WO 95/24454.

EP 0 617 111 A1 cited in the International Search Report, is already in English language.

EP 0 606 940 A2 cited in the application, is already in English language.

EP 0 302 619 A2 cited in the application, is already in English language.

EP 0 261 712 A1 cited in the application, is already in English language.

EP 0 044 612 A1 cited in the application, is already in English language.

EP 0 606 939 A1 cited in the application, is already in English language.

EP 0 643 121 A1 cited in the International Search Report, is already in English language.

EP 0 451 905 A1 cited in the application, is already in English language.

EP 1 046 692 A1 cited in the International Search Report, the corresponding US 6,423,246 B1 in English language. is enclosed.

EP 1 059 282 A1 cited in the International Search Report, the corresponding US 6,440,328 B1 in English language. is enclosed.

DE 196 19 460 A1 cited in the International Search Report, the corresponding Derwent abstract in English language is enclosed.

DE 198 35 730 A1 cited in the German office action, the corresponding Derwent abstract in English language is enclosed.

DE 199 22 158 A1

DE 199 17 067 A1

MAIER ET AL., SAUPE ET AL.: „Eine einfache molekular-statistische Theorie der nematischen kristallinflüssigen Phase, Teil I“, Zeitschrift für Naturforschung 14a, 1959, Pages 882 – 889, cited in the application, is corresponding to „A simple molecular-statistic theory of the nematic crystalline fluid phase, Part I“.

MAIER ET AL., SAUPE ET AL.: „Eine einfache molekular-statistische Theorie der nematischen kristallinflüssigen Phase, Teil II“, Zeitschrift für Naturforschung, 15a, 1960, Pages 287 – 292, cited in the application, is corresponding to „A simple molecular-statistic theory of the nematic crystalline fluid phase, Part II“.

BROER ET AL.: “In-situ photopolymerization of oriented liquid-crystalline acrylates, 5 – Influence of the alkylene spacer on the properties of the mesogenic monomers and the formation and properties of oriented polymer networks”, Makromol. Chem. 192, 1991, Pages 59 – 74, cited in the application, is already in English language.

PORTUGALL ET AL.: “Synthesis and Phase Behaviour of Liquid Crystalline Polyacrylates”, Makromol. Chem. 183, 1982, Pages 2311 – 2321, cited in the application, is already in English language.

MAURER ET AL.: “Polarizing Color Filters Made From Cholesteric LC Silicones”, SID International Symposium Digest of Technical Papers, Vol. 21, Las Vegas 1990, Pages 110 – 113, cited in the application, is already in English language.

MAURER ET AL.: “Cholesteric Reflectors with a Color Pattern”, SID International Symposium Digest of Technical Papers, Vol. 25, 1994, June 14 – 16, Pages 399 – 402, cited in the application, is already in English language.

FINKELMANN ET AL.: “Synthesis of Cholesteric Liquid Crystalline Polymers”, Makromol. Chem. 179, 1978, Pages 829 – 832, cited in the application, is already in English language.

MÜLLER ET AL.: "Birefringence of Compensated Cholesteric Liquid Crystals", Berichte der Bunsen-Gesellschaft, Vol. 77, No. 1, 1973, Pages 20 – 23, cited in the application, is already in English language.

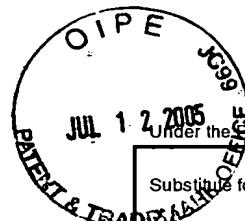
DREHER ET AL.: "Reflection Properties of Distorted Cholesteric Liquid Crystals", Solid State Communications, Vol. 12, 1973, Pages 519 – 522, cited in the application, is already in English language.

MAZKEDIAN ET AL., MELONE ET AL., RUSTICHELLI ET AL.: "On Light Diffraction By Cholesteric Liquid Crystals With A Pitch Gradient", Journal de Physique, 1975, Pages C1-283 – C1-287, cited in the application, is already in English language.

HAJDO ET AL.: "Theory of light reflection by cholesteric liquid crystals possessing a pitch gradient", J. Opt. Soc. Am., Vol. 69, No. 7, July 1979, Pages 1017 – 1023, cited in the application, is already in English language.

Signed this *8th* day of June, 2005.

Helmut Fritz
.....
Dr. Helmut Fritz



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Substitute for Form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

(Use as many sheets as necessary) Examiner Name UNKNOWN

Complete if Known

Application Number	10/533,865
Filing Date	May 5, 2003
First Named Inventor	ECKHARD HAHN
Group Art Unit	Unknown
Examiner Name	Unknown

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

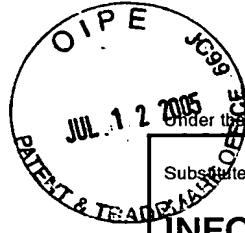
FOREIGN PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office ³	Number ⁴			
	DE	198 35 730	A1	BASF AG	2/25/1999	
	DE	199 22 158	A1	Consortium fur ...	11/16/2000	
	DE	199 17 067	A1	Consortium fur ...	10/19/2000	
	DE	196 19 460	A1	Consortium fur ...	11/20/1997	
	EP	1 046 692	A1	Consortium fur ...	10/25/2000	
	EP	1 059 282	A1	Consortium fur ...	12/13/2000	
	EP	0 617 111	A1	Sumitomo Chemical	3/21/1994	
	EP	0 451 905	A1	N.V. Philips' ...	10/16/1991	
	WO	97/23580		Philips Norden AB	7/3/1997	

Examiner Signature		Date Considered	
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



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<p style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p style="text-align: center;"><i>(use as many sheets as necessary)</i></p>				Complete if Known	
				Application Number	10/533,865
				Filing Date	May 5, 2005
				First Named Inventor	ECKHARD HANELT ET AL.
				Group Art Unit	Unknown
				Examiner Name	Unknown
Sheet	2	of	6	Attorney Docket Number	WAS 0695 PUSA

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

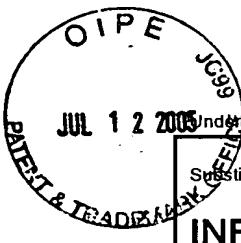
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
		WO	98/04651		Merck Patent GmbH	2/5/1998		
		WO	96/25470	✓	Merck Patent GmbH	8/22/1996		
		EP	0 606 940	A2	Philips Elect.	7/20/1994		
		EP	0 358 208	A2	Consortium fur ...	3/14/1990		
		EP	0 302 619	A2	Kaiser Aerospace	2/8/1989		
		EP	0 885 945	A1	Consortium fur ...	12/23/1998		
		EP	0 631 157	A1	Consortium fur ...	12/28/1994		
		EP	0 060 335	A1	Consortium fur ...	9/22/1982		
		EP	0 261 712	A1	N.V. Philips' ...	3/30/1988		

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<p>Substitute for Form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(use as many sheets as necessary)</i></p>				<i>Complete if Known</i>	
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				Filing Date	May 5, 2005
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				Group Art Unit	Unknown
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Sheet	3	of	6	Attorney Docket Number	WAS 0695 PUSA

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

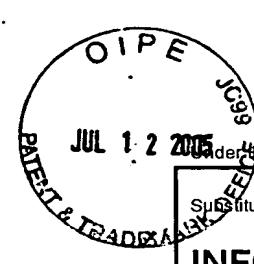
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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	EP	0 875 525	A1		Consortium fur ...	11/4/1998		
	EP	0 601 483	A1		Consortium fur ...	6/15/1994		
	EP	0 685 749	A1		Consortium fur ...	12/6/1995		
	EP	0 626 386	A1		Consortium fur ...	11/30/1994		
	EP	0 044 612	A1		Mitsubishi	1/27/1982		
	EP	0 606 939	A1		Philips Elect.	7/20/1994		
	EP	0 664 826	B1		Consortium fur ...	8/2/1995		
	EP	0 739 403	B1		BASF	10/30/1996		
	WO	95/24454			BASF	9/14/1995		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Examiner Name UNKNOWN
Sheet 4 of 6 Attorney Docket Number WAS 0695 PUSA

U.S. PATENT DOCUMENTS

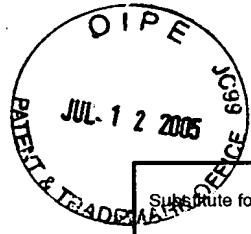
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

5

of

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Complete if Known

Application Number	10/533,865
Filing Date	May 5, 2005
First Named Inventor	ECKHARD HANELT ET AL.
Group Art Unit	Unknown
Examiner Name	Unknown

Attorney Docket Number WAS 0695 PUSA

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Derwent Abstract corresponding to DE 198 35 730 A1.	
		EP 749466 is replaced by WO 95/24454	
		Derwent Abstract corresponding to EP 0 739 403 B1	
		Derwent Abstract corresponding to EP 0 664 826 B1	
		Derwent Abstract corresponding to EP 0 626 386 A1	
		Derwent Abstract corresponding to EP 0 685 749 A1	
		Derwent Abstract corresponding to EP 0 601 483 A1	
		Derwent Abstract corresponding to EP 0 875 525 A1	
		Derwent Abstract corresponding to EP 0 060 335 A1	
		Derwent Abstract corresponding to EP 0 631 157 A1	
		Derwent Abstract corresponding to EP 0 885 945 A1	
		Derwent Abstract corresponding to EP 0 358 208 A2	

Examiner Signature	Date Considered
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²Unique citation designation number. ³Applicant is to place a check mark here if English language Translation is attached.



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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	6	of	6	Attorney Docket Number	WAS 0695 PUSA
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Maier et al., "Eine einfache molekular-statistische Theorie der nematischen kristallinflüssigen Phase. Teil I, Z. NATURFORSCHG., 1959, Vol. 14a, pp. 882-889	
		Maier et al., "Eine einfache molekular-statistische Theorie der nematischen kristallinflüssigen Phase. Teil II, Z. NATURFORSCHG., 1960, Vol. 15a, pp. 287-292	
		Broer et al., "In-situ photopolymerization of oriented liquid-crystalline acrylates, 5," MAKROMOL. CHEM. 192, 1991, pp. 50-74	
		Portugall et al., "Synthesis and Phase Behaviour of Liquid Crystalline Polyacrylates," MAKROMOL. CHEM. 183, 1982, pp. 2311-2321	
		Maurer et al., "Polarizing Collor Filters made from Cholesteric LC Silicones," SID INTERNATIONAL SYMPOSIUM DIGEST OF TECHNICAL PAPERS, Vol. 21, Las Vegas 1990, pp. 110-113	
		Finkelmann et al., "Synthesis of Cholesteric Liquid Crystalline Polymers," MAKROMOL. CHEM. 179, 1978, pp. 829-832	
		Müller et al., "Birefringence of Compensated Cholesteric Liquid Crystals," BERICHTE DER BUNSEN-GESELLSCHAFT, Vol. 77, No. 1, 1973, pp. 20-23	
		Dreher, "Reflection Properties of Distorted Cholesteric Liquid Crystals," SOLID STATE COMMUNICATIONS, Vol. 12, 1973, pp. 519-522	
		Mazkedian et al., "On Light Defraction by Cholesteric Liquid Crystals with a Pitch Gradient," JOURNAL DE PHYSIQUE, 1975, pp. C1-283 - C1-287	
		Hajdo et al., "Theory of Light Reflection by Cholesteric Liquid Crystals Possessing a Pitch Gradient," J. OPT. Soc. AM., Vol. 69, No. 7, July 1979, pp. 1017-1025	
		Maurer et al., "Cholesteric Reflectors with a Color Pattern," SID INTERNATIONAL SYMPOSIUM DIGEST OF TECHNICAL PAPERS, Vol. 25, 1994, June 14-16, pp. 399-407	

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